

GoGaS - Lightweight tube heaters: More safety with large roof loads!

Up to 55% reduction of punctual ceiling loads. Increased safety for large roof loads due to snowfall. Reduction of downtime risk and lost revenue.

- Only approx. 2.3 kg/kW ceiling load with approx. 70 kW radiator output
- Reduction of punctual ceiling load by 2.7 tons at 40,000 m²
- Cost killer in CO₂ taxation
- Tube heaters with condensing technology for heat recovery
- Highest GoGaS energy efficiency with patented Trigomax technology
- Modulating Blu Rad burner with combustion air adjustment
- Silicone-free versions available
- Immediately available for the current heating season
- Made in Germany

In the event of heavy snowfall and the resulting large snow loads, operators of logistics properties may be forced to shut down again and again, as the permissible total load can quickly reach its limits. In this case, it is important to avoid unnecessary weight already during the construction of the halls, thereby ensuring overall safety with greater flexibility. A forced shutdown due to excessive ceiling loads quickly leads to interruptions in the supply chain and massive losses in sales. Both must be avoided.

GoGaS reduces the ceiling load by up to 55% with its 2021 series tube heaters, thus reducing the overall load. Especially with high snow loads in the winter season, this enormous weight reduction means more safety and flexibility and thus contributes sustainably to the safe operation of the property. This significantly reduces downtimes and shutdowns due to excessive snow loads. This is a decisive advantage, especially with the resulting punctual ceiling load caused by the ceiling radiators required for heating operation.

Generally available tube heaters on the market often have a total weight of more than 320 kg per radiator in a power class of 60 kW. Converted to the power/kW, this means an additional ceiling load by the radiator itself of approx. 5 to 5.3 kg per kW power.

When using GoGaS tube heaters of the 66kW power class, this load can be reduced by 46% to just 2.3 kg/kW even with standard devices. If the patented GoGaS Trigomax condensing technology for even better energy efficiency is also used, the point load on the ceiling can be reduced by up to 55%.

Thanks to this combination (radiators +condensing technology), the tube heaters achieve a heating power of up to 35Watt/m² with a comparable weight saving of approx. 55%.

A typical hall aisle of a logistics property usually uses 2 tube heater units. Extrapolated, this results in a point ceiling load reduction of 2.7 tons for a logistics property of 40,000 m². For a property of 100,000 m², the total point ceiling load can even be reduced by approx. 6.6 tons.

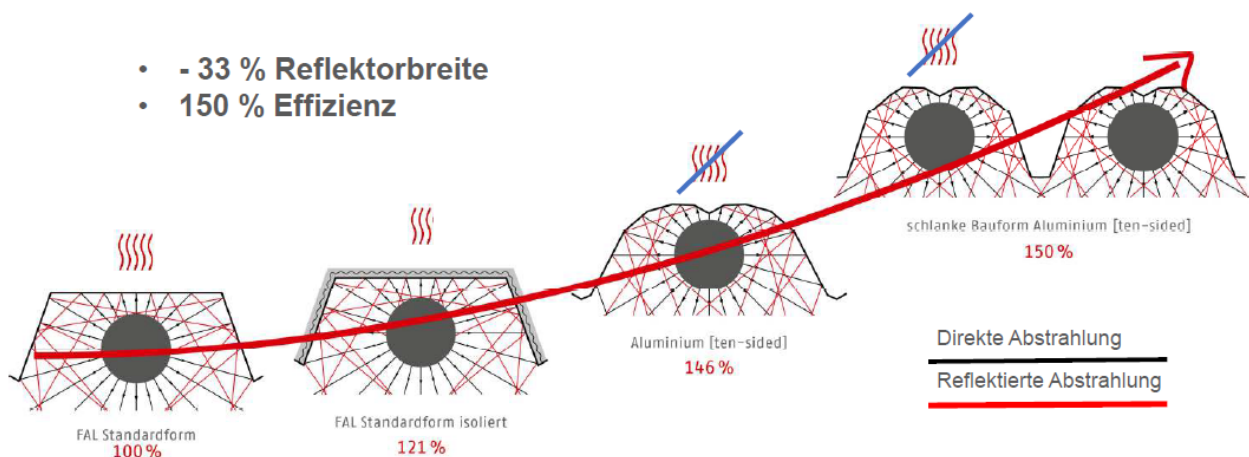
The unique design with the 10-fold all-aluminum reflector, aluminized and calorized radiant tubes guarantee the optimized emissivity and, together with the BlueRad technology and the quick mounting system, ensure that the DSX/DSF series tube heaters not only define a new GoGaS de facto standard, but can also be quickly and easily mounted and commissioned on site.

As a result, the most energy-efficient tube heaters of the 20/21 heating season are coming into use even faster, ensuring the lowest total cost of ownership of comparable systems on the market:

- Most favorable procurement costs with longest service life
- Significantly reduced total ceiling load
- Easy and quick installation on site
- Lowest total energy consumption

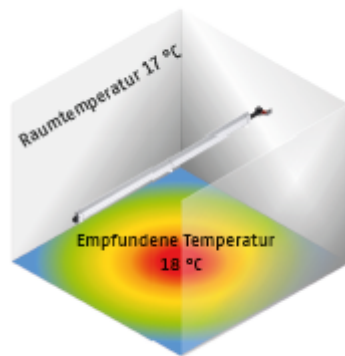
Economic efficiency and higher security for investors, owners, tenants, managers!

DSX/DSF technology tube heaters with 10-fold reflector technology, sustainably reduce overall consumption and thus make an important contribution as a cost killer in CO₂ taxation, unnecessarily high energy consumption is thus a thing of the past.

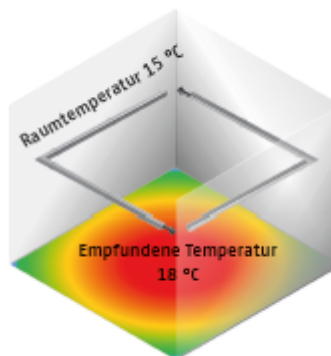


Another strategic added value of the DSX/DSF combination is the perceived warmth with reduced energy consumption, due to a homogeneous overall radiation.

Empfundene Temperaturdifferenz nach Einstrahlung



Benötigt:
40 W/m² je Kelvin bei 1-seitiger Einstrahlung



Benötigt:
14 W/m² je Kelvin bei 4-seitiger Einstrahlung

Ideal for all indoor and production facilities, for new buildings and retrofitting, for better energy efficiency and overall CO₂ balance.

THIS IS GOGAS:

Established in 1946, GoGaS has become a key innovation and technology partner to many customers and Who is Who in their industries, providing sustainable, environment friendly and innovative turnkey solutions for buildings, manufacturing process up to CO₂ neutral operation. The unique portfolio includes a wide range of modular system and turnkey solutions such as IR, UV, UV-C, Aircondition, Heating, Cooling, Ventilation, Solar Systems and others for stationary, mobile and portable in- and outdoor applications. The company is active in several standardization committees, defining the next generation of technology standards such as TGA+.

GoGaS is a stakeholder in leading trade associations and initiatives, e.g. the German Engineering Association e.V. (VDMA), figawa, Export Initiative Energy, ELVHIS. (VDMA), figawa, Export Initiative Energy, ELVHIS. As an active partner of the Sustainability Initiative "Blue Competence", GoGaS is also driving the future of environment friendly and energy efficient planning, building and operating of B2B buildings, thus optimizing its CO₂ footprint and maintaining the highest possible asset valuation, ROI and TCO for investors, owners, operators and tenants at the same time. The company is also involved in key research programs of the EU and industrial technology partners. GoGaS provides its customers with turnkey solutions, reducing the number of interfaces, eliminating delays in the Supply Chain and project execution and provides a lifetime warranty and support service.

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